

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
 Data File : BG038911.D
 Acq On : 3 Jan 2019 20:01
 Operator : JU/SJ
 Sample : K1002-04
 Misc :
 ALS Vial : 6 Sample Multiplier: 1

Instrument :
 BNA_G
 ClientSampleId :

Quant Time: Jan 04 04:13:09 2019
 Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
 Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
 QLast Update : Wed Dec 12 15:26:27 2018
 Response via : Initial Calibration

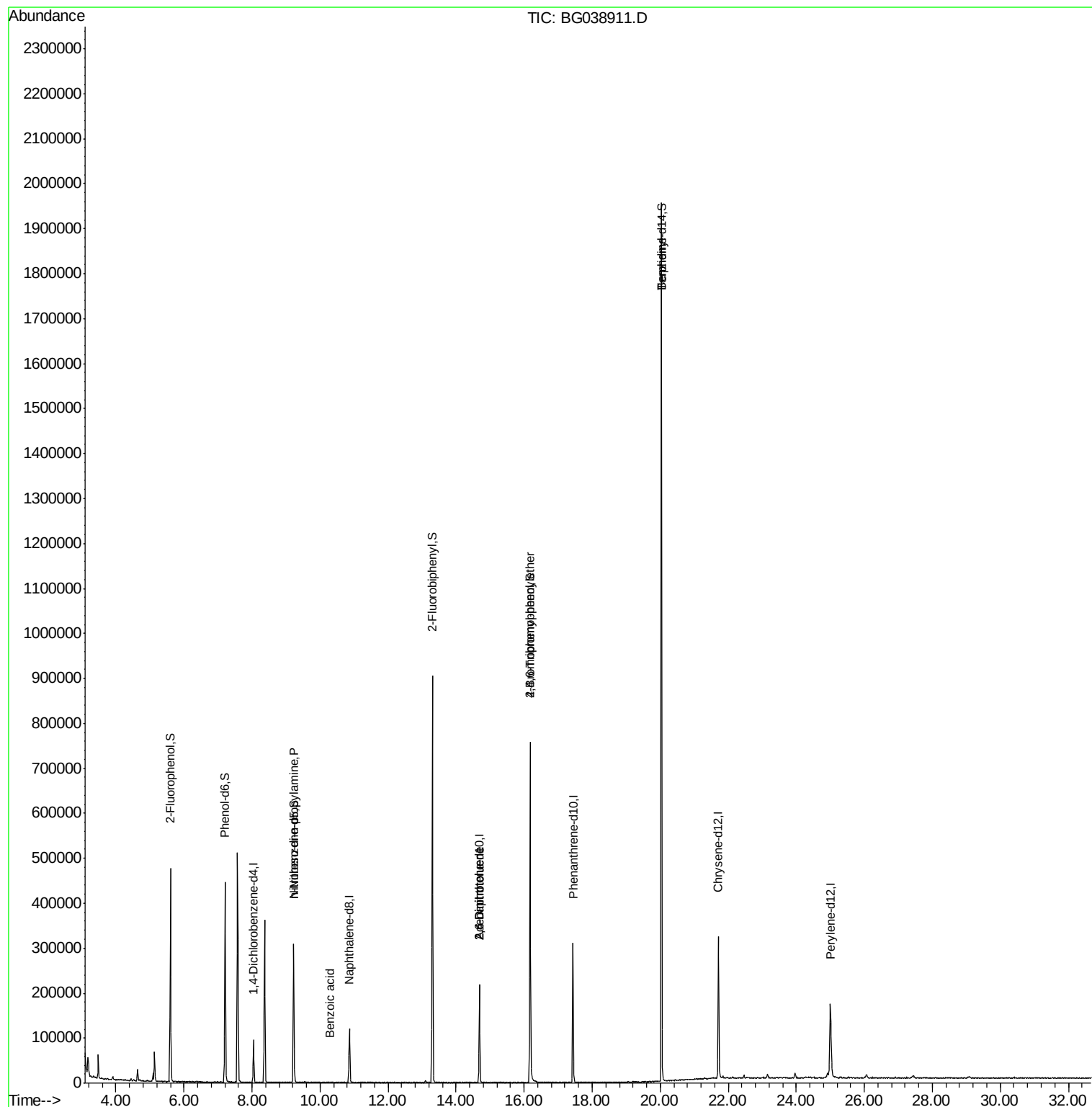
Internal Standards	R.T.	QIon	Response	Conc	Units	Dev(Min)
1) 1,4-Dichlorobenzene-d4	8.05	152	27311	20.00	ng	-0.01
21) Naphthalene-d8	10.86	136	110139	20.00	ng	-0.02
39) Acenaphthene-d10	14.69	164	79933	20.00	ng	-0.01
64) Phenanthrene-d10	17.44	188	212023	20.00	ng	0.00
76) Chrysene-d12	21.71	240	215440	20.00	ng	-0.01
87) Perylene-d12	25.01	264	225208	20.00	ng	-0.01
System Monitoring Compounds						
5) 2-Fluorophenol	5.60	112	204335	132.70	ng	0.00
7) Phenol-d6	7.21	99	259840	122.92	ng	0.00
23) Nitrobenzene-d5	9.23	82	187674	87.05	ng	-0.01
42) 2,4,6-Tribromophenol	16.18	330	166877	151.48	ng	-0.01
45) 2-Fluorobiphenyl	13.30	172	511419	87.77	ng	-0.01
79) Terphenyl-d14	20.04	244	1038189	104.88	ng	0.00
Target Compounds						
19) n-Nitroso-di-n-propylamine	9.22	70	25011	16.846	ng	# 67
32) Benzoic acid	10.29	122	59	10.210	ng	# 1
51) 2,6-Dinitrotoluene	14.69	165	10593	7.161	ng	# 19
57) 2,4-Dinitrotoluene	14.69	165	10593	5.084	ng	# 21
67) 4-Bromophenyl-phenylether	16.18	248	10749	4.151	ng	# 1
77) Benzidine	20.04	184	16315	2.561	ng	94

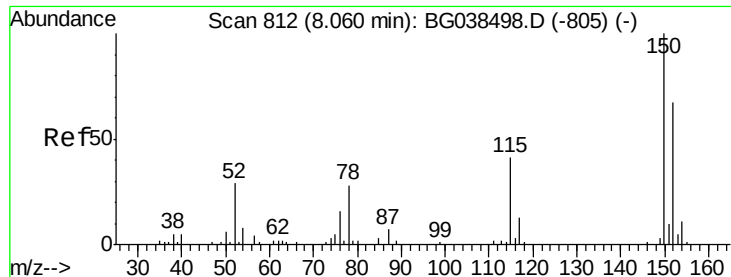
(#) = qualifier out of range (m) = manual integration (+) = signals summed

Data Path : Z:\SVOASRV\HPCHEM1\BNA G\DATA\BG010319\
Data File : BG038911.D
Acq On : 3 Jan 2019 20:01
Operator : JU/SJ
Sample : K1002-04
Misc :
ALS Vial : 6 Sample Multiplier: 1

Instrument :
BNA_G
ClientSampleId :

Quant Time: Jan 04 04:13:09 2019
Quant Method : Z:\SVOASRV\HPCHEM1\BNA G\METHODS\8270-BG121218.M
Quant Title : ASP BNA STANDARDS FOR 5 POINT CALIBRATION
QLast Update : Wed Dec 12 15:26:27 2018
Response via : Initial Calibration



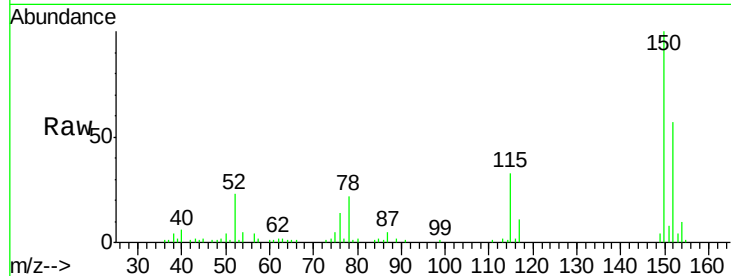


#1

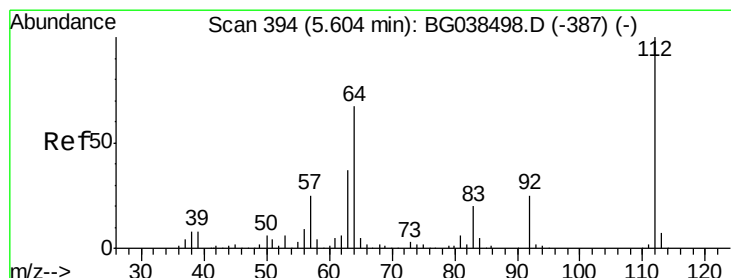
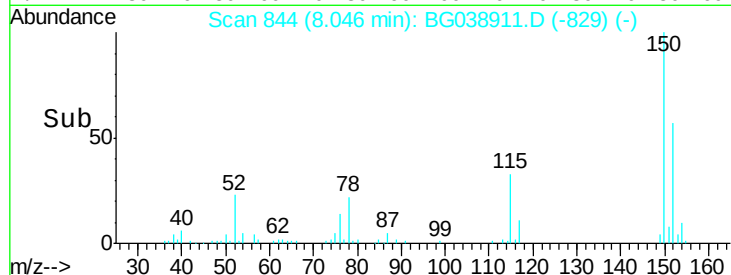
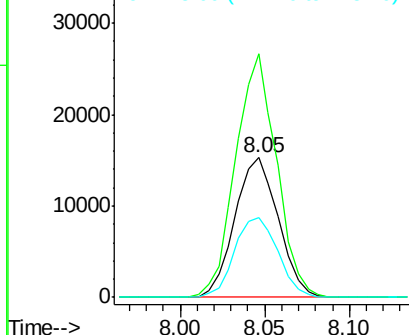
1,4-Dichlorobenzene-d4
Concen: 20.000 ng
RT: 8.05 min Scan# 844
Delta R.T. -0.01 min
Lab File: BG038911.D
Acq: 3 Jan 2019 20:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:152 Resp: 27311
Ion Ratio Lower Upper
152 100
150 174.1 119.5 179.3
115 57.4 49.6 74.4



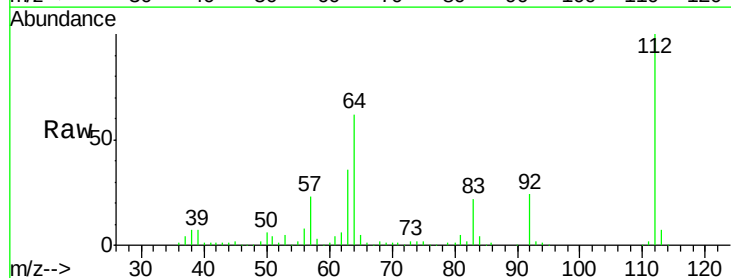
Abundance Ion 152.00 (151.70 to 152.70): E
Ion 150.00 (149.70 to 150.70): E
Ion 115.00 (114.70 to 115.70): E



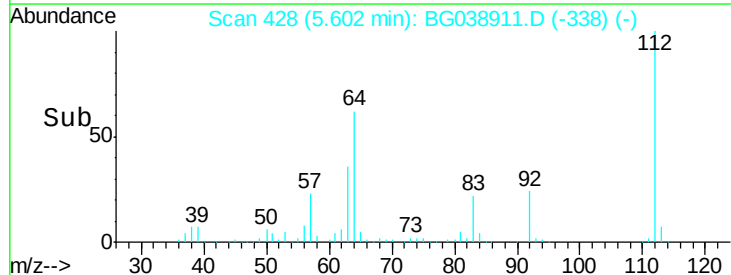
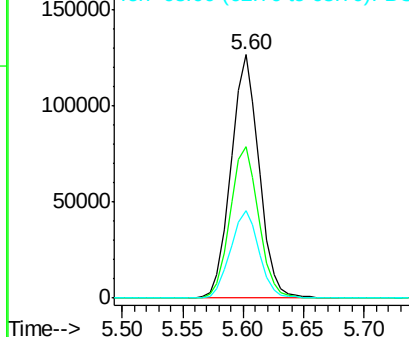
#5

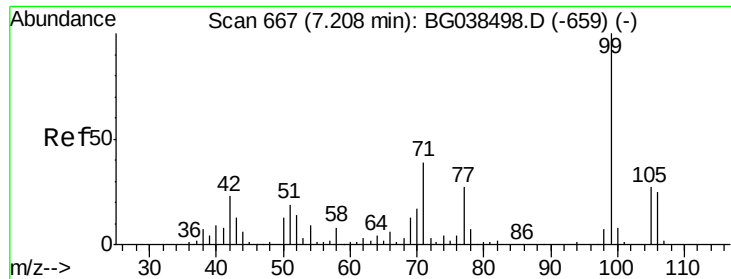
2-Fluorophenol
Concen: 132.701 ng
RT: 5.60 min Scan# 428
Delta R.T. -0.00 min
Lab File: BG038911.D
Acq: 3 Jan 2019 20:01

Tgt Ion:112 Resp: 204335
Ion Ratio Lower Upper
112 100
64 62.2 53.4 80.2
63 35.8 29.3 43.9



Abundance Ion 112.00 (111.70 to 112.70): E
Ion 64.00 (63.70 to 64.70): BGC
Ion 63.00 (62.70 to 63.70): BGC





#7

Phenol-d6

Concen: 122.921 ng

RT: 7.21 min Scan# 702

Delta R.T. 0.00 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

Instrument :

BNA_G

ClientSampleId :

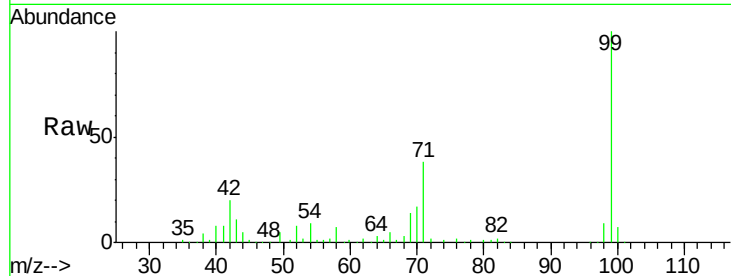
Tot Ion: 99 Resp: 259840

Ion Ratio Lower Upper

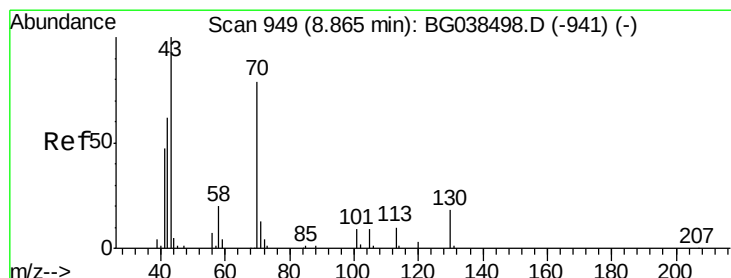
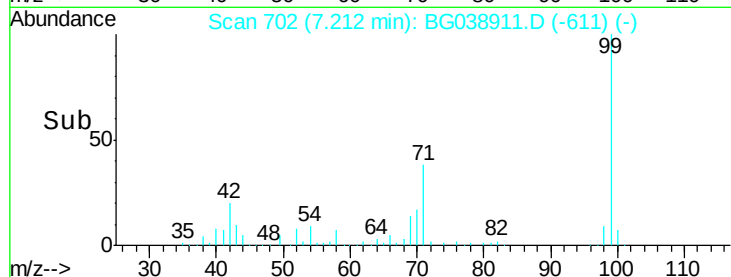
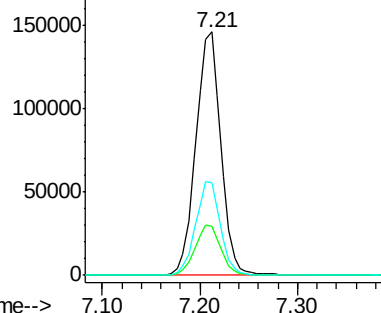
99 100

42 20.2 18.5 27.7

71 38.0 31.1 46.7



Abundance Ion 99.00 (98.70 to 99.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 71.00 (70.70 to 71.70): BGC



#19

n-Nitroso-di-n-propylamine

Concen: 16.846 ng

RT: 9.22 min Scan# 1044

Delta R.T. 0.36 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

Tgt Ion: 70 Resp: 25011

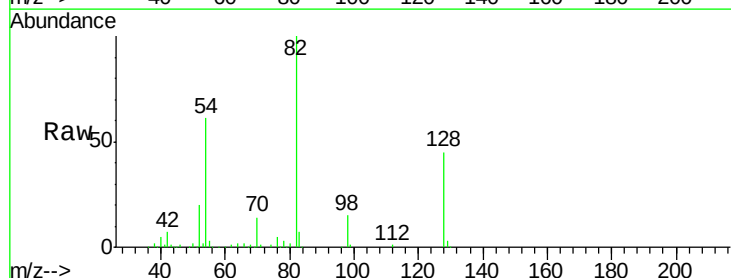
Ion Ratio Lower Upper

70 100

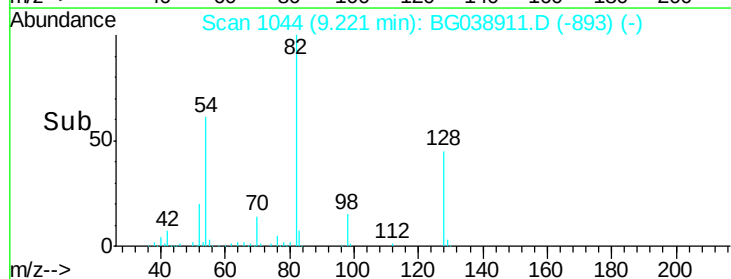
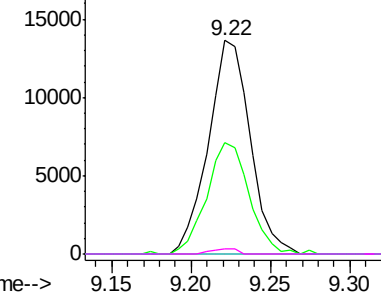
42 52.3 63.6 95.4#

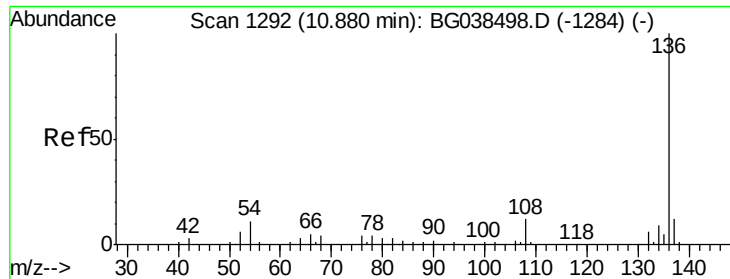
101 0.0 9.2 13.8#

130 2.4 18.5 27.7#



Abundance Ion 70.00 (69.70 to 70.70): BGC
Ion 42.00 (41.70 to 42.70): BGC
Ion 101.00 (100.70 to 101.70): BGC
Ion 130.00 (129.70 to 130.70): BGC

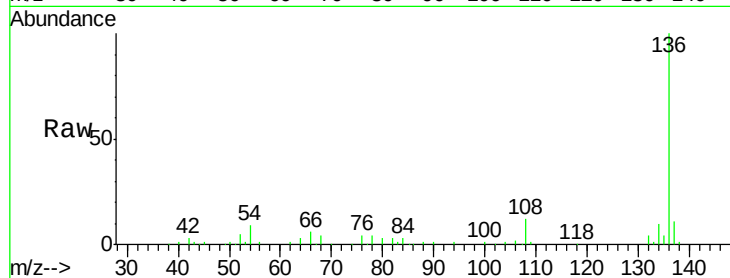




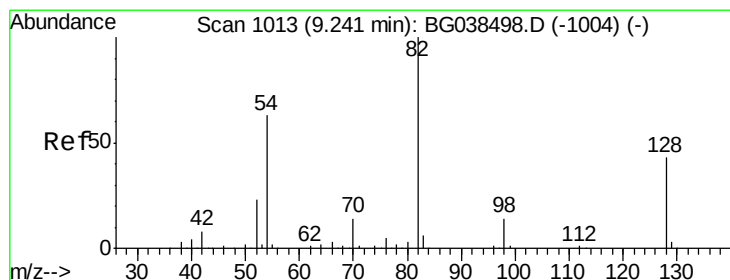
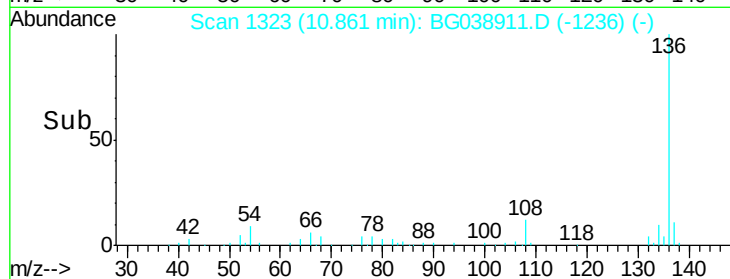
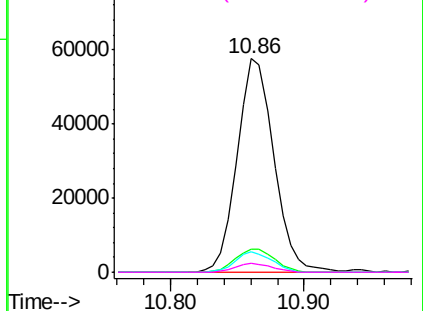
#21
Naphthalene-d8
Concen: 20.000 ng
RT: 10.86 min Scan# 1323
Delta R.T. -0.02 min
Lab File: BG038911.D
Acq: 3 Jan 2019 20:01

Instrument :
BNA_G
ClientSampleId :

Tot Ion:	136	Resp:	110139
Ion	Ratio	Lower	Upper
136	100		
137	10.7	9.3	13.9
54	9.5	8.5	12.7
68	4.3	3.5	5.3

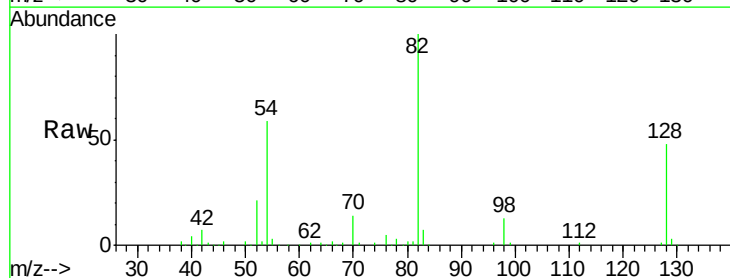


Abundance Ion 136.00 (135.70 to 136.70): E
Ion 137.00 (136.70 to 137.70): E
Ion 54.00 (53.70 to 54.70): BGC
Ion 68.00 (67.70 to 68.70): BGC

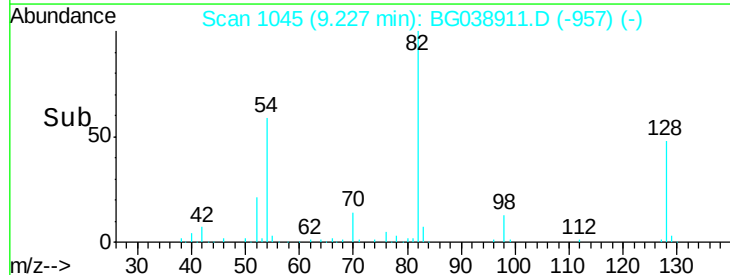
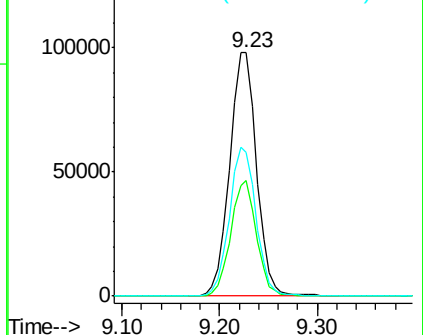


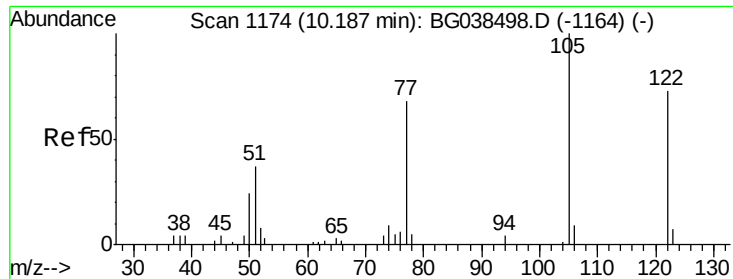
#23
Nitrobenzene-d5
Concen: 87.051 ng
RT: 9.23 min Scan# 1045
Delta R.T. -0.01 min
Lab File: BG038911.D
Acq: 3 Jan 2019 20:01

Tgt Ion:	82	Resp:	187674
Ion	Ratio	Lower	Upper
82	100		
128	47.7	34.6	52.0
54	58.9	50.6	76.0



Abundance Ion 82.00 (81.70 to 82.70): BGC
Ion 128.00 (127.70 to 128.70): E
Ion 54.00 (53.70 to 54.70): BGC





#32

Benzoic acid

Concen: 10.210 ng

RT: 10.29 min Scan# 1226

Delta R.T. 0.10 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

Instrument :

BNA_G

ClientSampled :

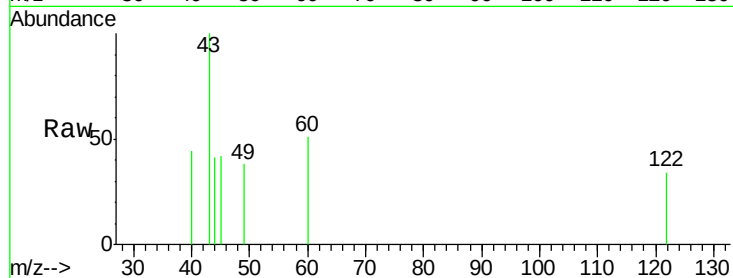
Tot Ion:122 Resp: 59

Ion Ratio Lower Upper

122 100

105 0.0 116.7 156.7#

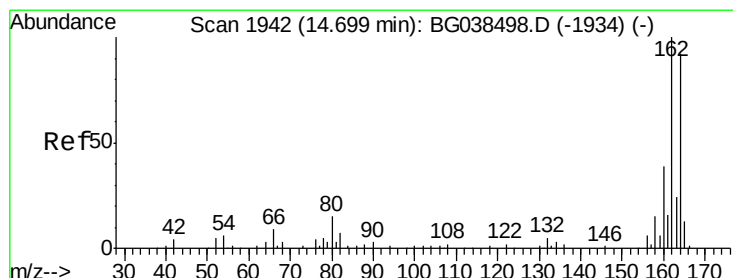
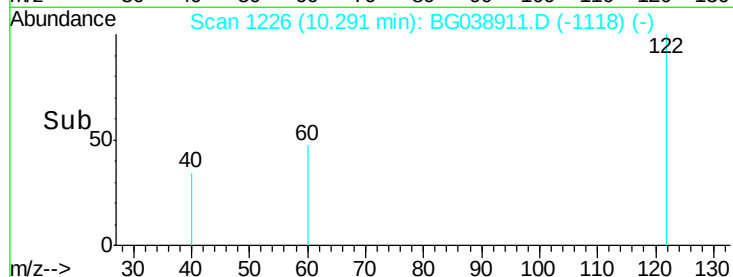
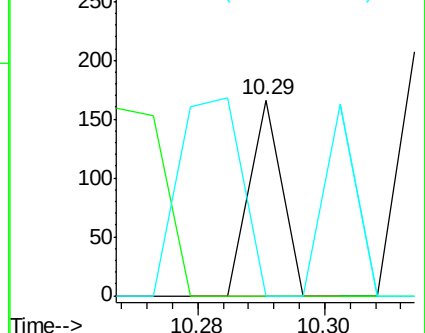
77 0.0 72.5 112.5#



Abundance Ion 122.00 (121.70 to 122.70): E

Ion 105.00 (104.70 to 105.70): E

Ion 77.00 (76.70 to 77.70): BGC



#39

Acenaphthene-d10

Concen: 20.000 ng

RT: 14.69 min Scan# 1974

Delta R.T. -0.01 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

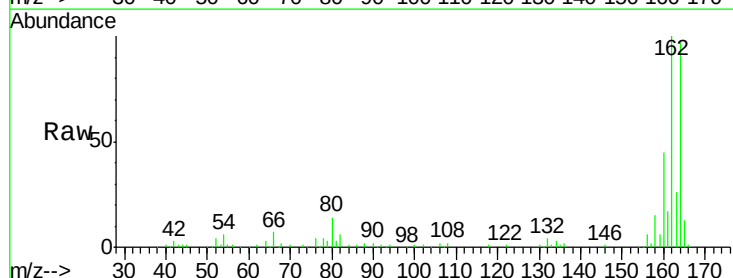
Tgt Ion:164 Resp: 79933

Ion Ratio Lower Upper

164 100

162 103.6 86.6 130.0

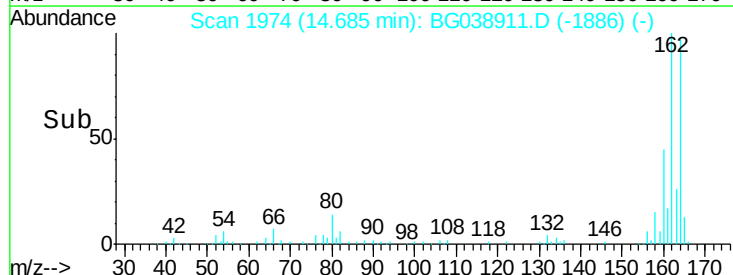
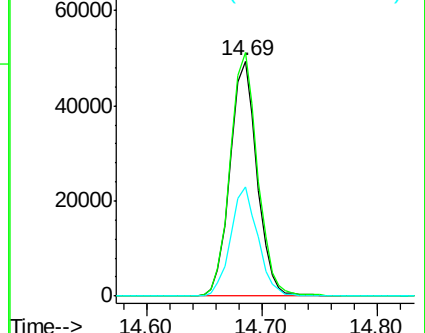
160 46.7 34.2 51.2

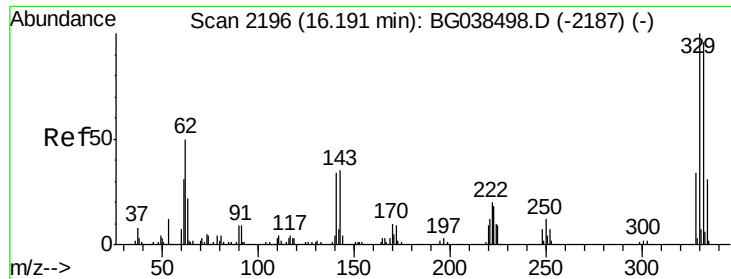


Abundance Ion 164.00 (163.70 to 164.70): E

Ion 162.00 (161.70 to 162.70): E

Ion 160.00 (159.70 to 160.70): E

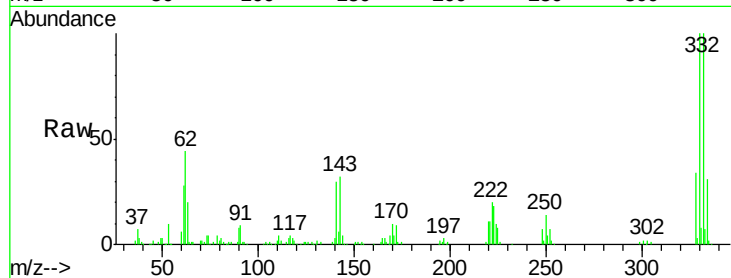




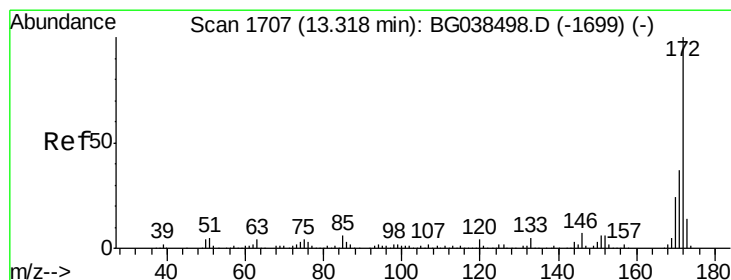
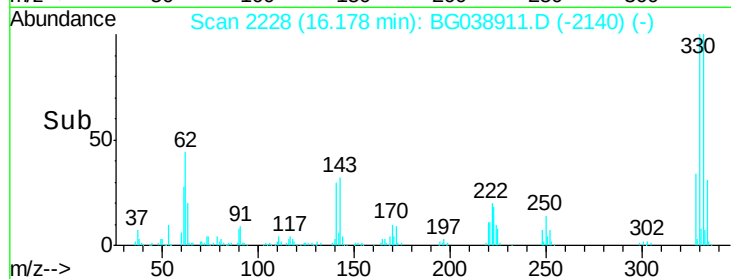
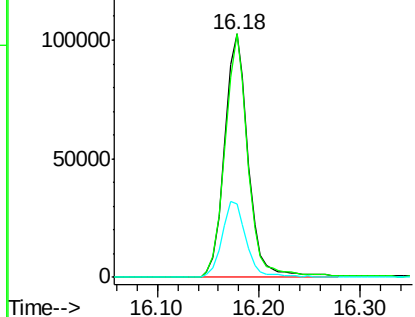
#42
 2,4,6-Tribromophenol
 Concen: 151.483 ng
 RT: 16.18 min Scan# 2228
 Delta R.T. -0.01 min
 Lab File: BG038911.D
 Acq: 3 Jan 2019 20:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion	Ratio	Lower	Upper
330	100		
332	97.8	76.9	115.3
141	32.0	28.8	43.2

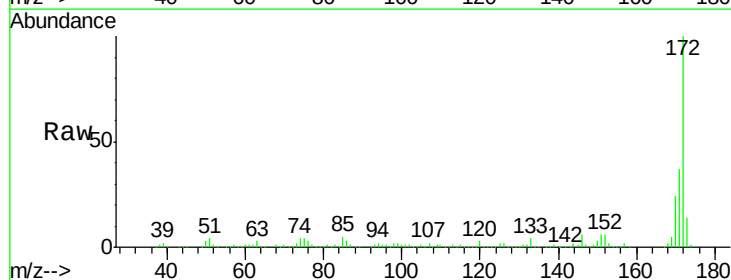


Abundance Ion 329.80 (329.50 to 330.50): E
 Ion 331.80 (331.50 to 332.50): E
 Ion 141.00 (140.70 to 141.70): E

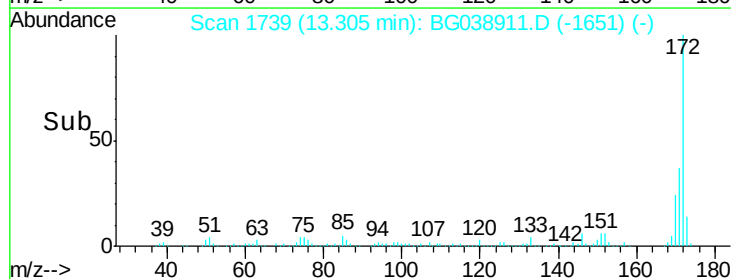
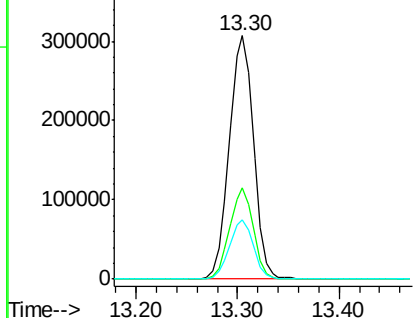


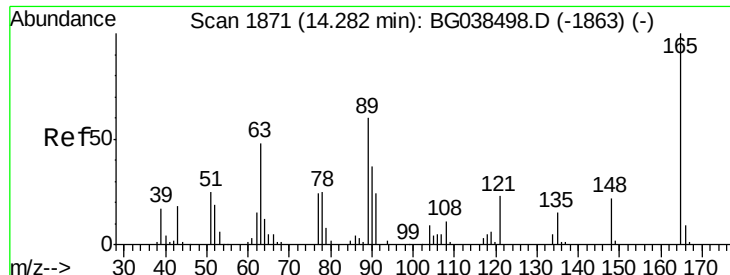
#45
 2-Fluorobiphenyl
 Concen: 87.772 ng
 RT: 13.30 min Scan# 1739
 Delta R.T. -0.01 min
 Lab File: BG038911.D
 Acq: 3 Jan 2019 20:01

Tgt Ion	Ratio	Lower	Upper
172	100		
171	37.5	29.8	44.6
170	24.3	19.5	29.3



Abundance Ion 172.00 (171.70 to 172.70): E
 Ion 171.00 (170.70 to 171.70): E
 Ion 170.00 (169.70 to 170.70): E

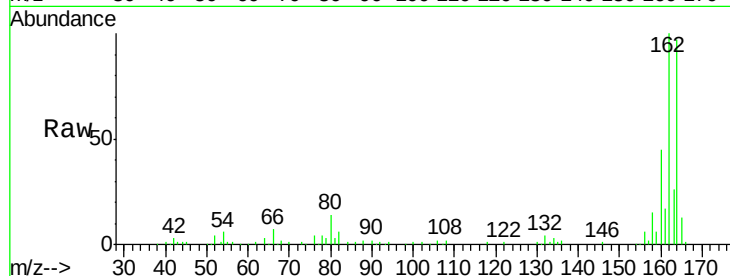




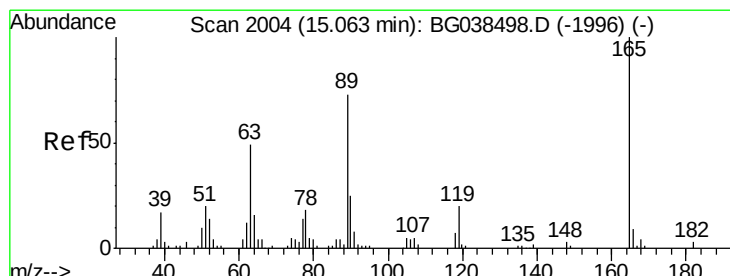
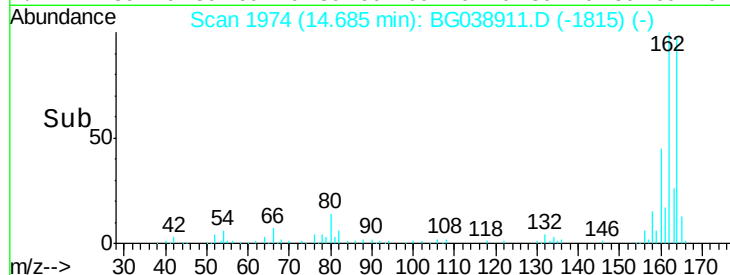
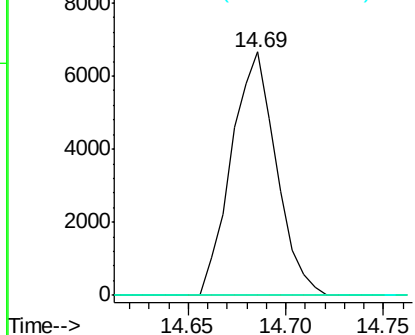
#51
 2,6-Dinitrotoluene
 Concen: 7.161 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. 0.40 min
 Lab File: BG038911.D
 Acq: 3 Jan 2019 20:01

Instrument :
 BNA_G
 ClientSampleId :

Tot Ion:165 Resp: 10593
 Ion Ratio Lower Upper
 165 100
 63 0.0 51.8 77.6#
 89 0.0 47.9 71.9#

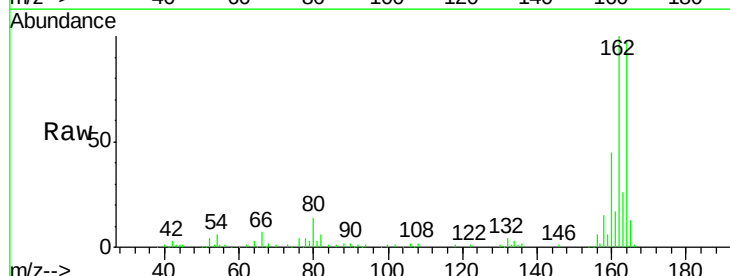


Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC

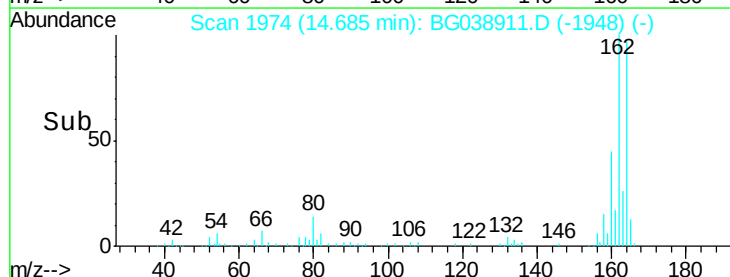
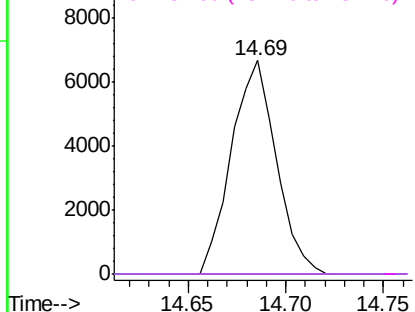


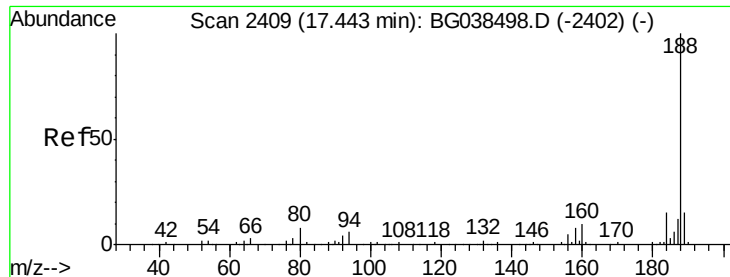
#57
 2,4-Dinitrotoluene
 Concen: 5.084 ng
 RT: 14.69 min Scan# 1974
 Delta R.T. -0.38 min
 Lab File: BG038911.D
 Acq: 3 Jan 2019 20:01

Tgt Ion:165 Resp: 10593
 Ion Ratio Lower Upper
 165 100
 63 0.0 39.0 58.4#
 89 0.0 58.0 87.0#
 182 0.0 2.3 3.5#



Abundance Ion 165.00 (164.70 to 165.70): E
 Ion 63.00 (62.70 to 63.70): BGC
 Ion 89.00 (88.70 to 89.70): BGC
 Ion 182.00 (181.70 to 182.70): E





#64

Phenanthrene-d10

Concen: 20.000 ng

RT: 17.44 min Scan# 2442

Delta R.T. -0.01 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

Instrument :

BNA_G

ClientSampleId :

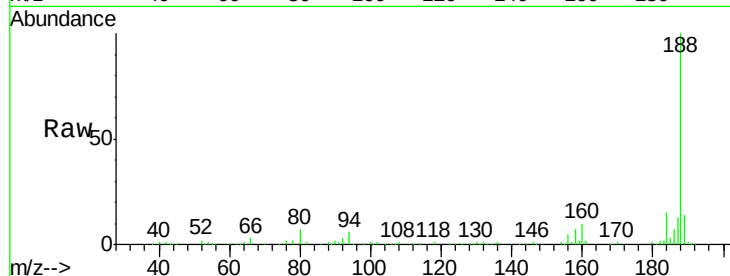
Tot Ion:188 Resp: 212023

Ion Ratio Lower Upper

188 100

94 6.0 5.1 7.7

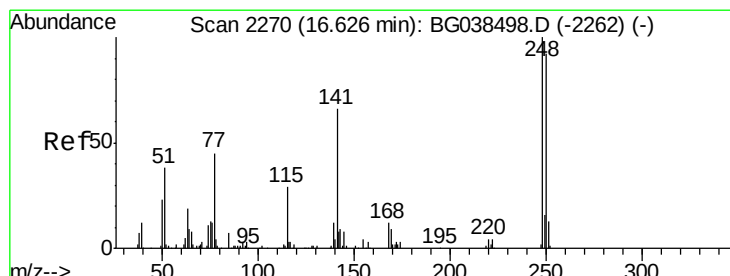
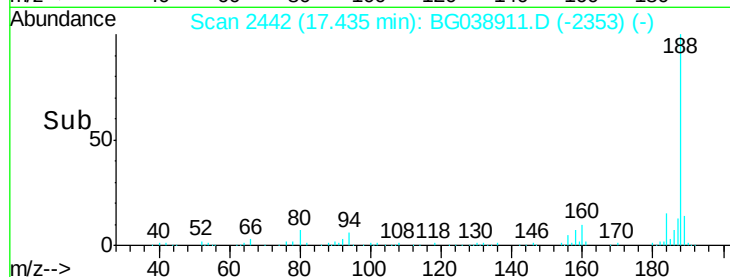
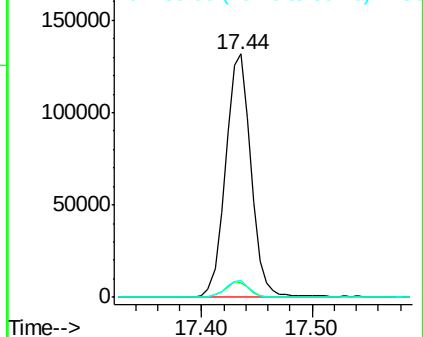
80 7.1 6.1 9.1



Abundance Ion 188.00 (187.70 to 188.70): E

Ion 94.00 (93.70 to 94.70): BGC

Ion 80.00 (79.70 to 80.70): BGC



#67

4-Bromophenyl-phenylether

Concen: 4.151 ng

RT: 16.18 min Scan# 2228

Delta R.T. -0.45 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

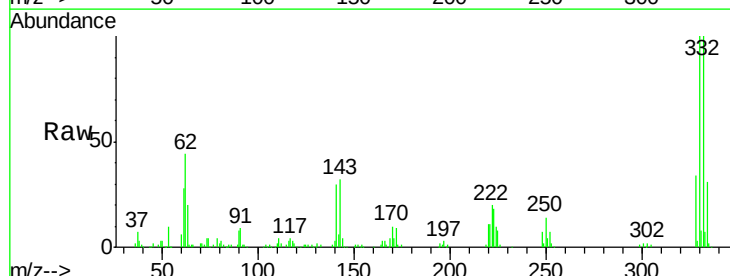
Tgt Ion:248 Resp: 10749

Ion Ratio Lower Upper

248 100

250 208.4 73.4 110.2#

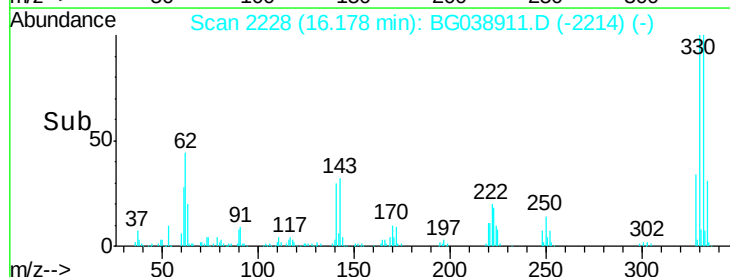
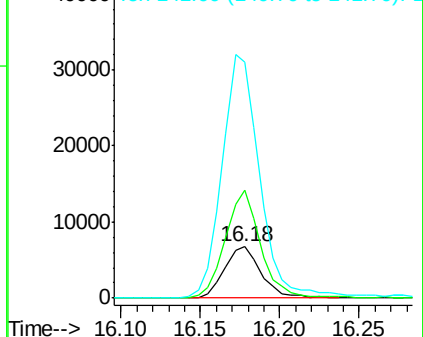
141 354.9 52.9 79.3#

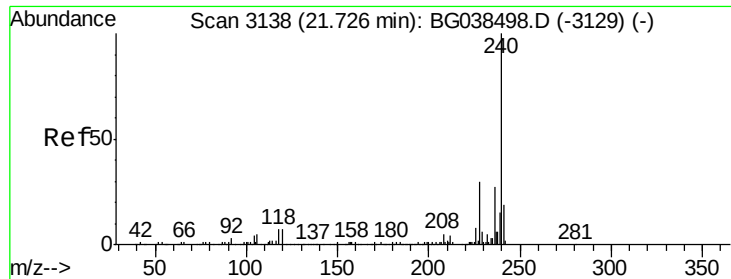


Abundance Ion 248.00 (247.70 to 248.70): E

Ion 250.00 (249.70 to 250.70): E

Ion 141.00 (140.70 to 141.70): E

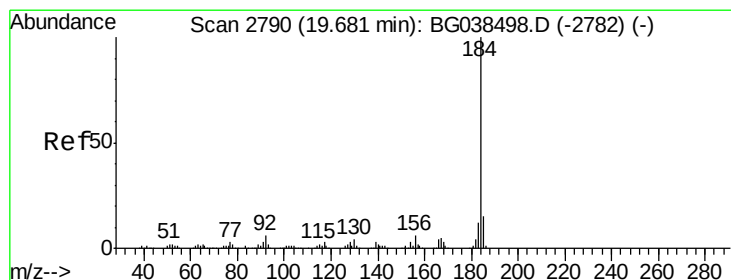
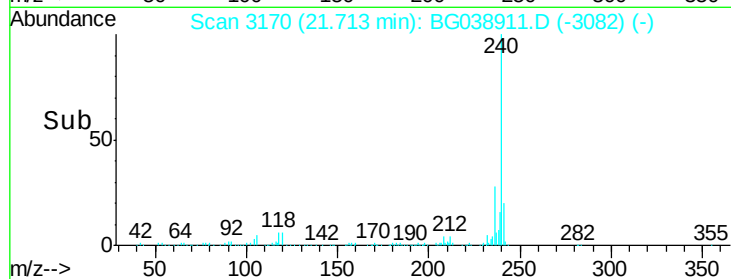
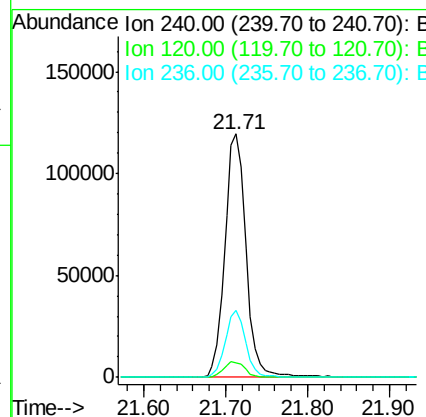
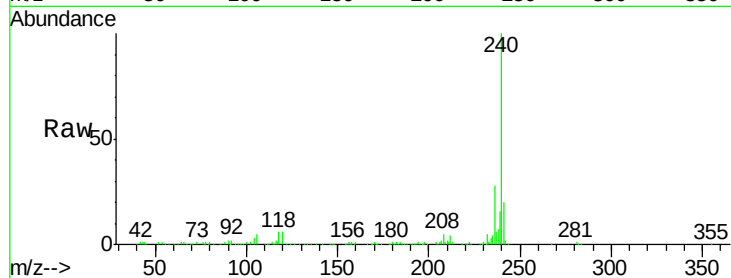




#76
 Chrvsene-d12
 Concen: 20.000 ng
 RT: 21.71 min Scan# 3170
 Delta R.T. -0.01 min
 Lab File: BG038911.D
 Acq: 3 Jan 2019 20:01

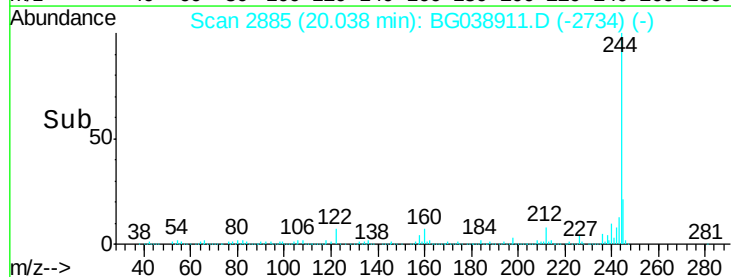
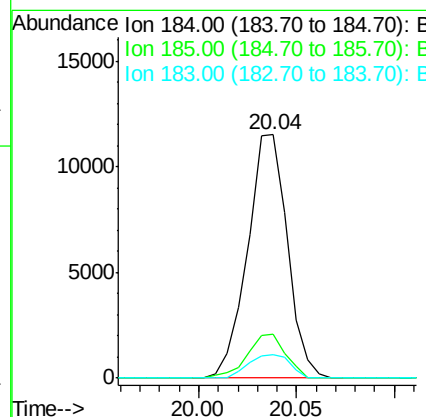
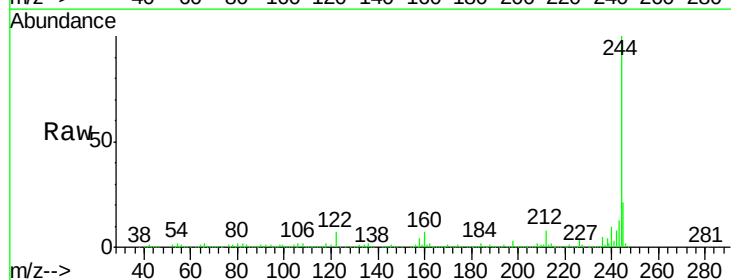
Instrument :
 BNA_G
 ClientSampleId :

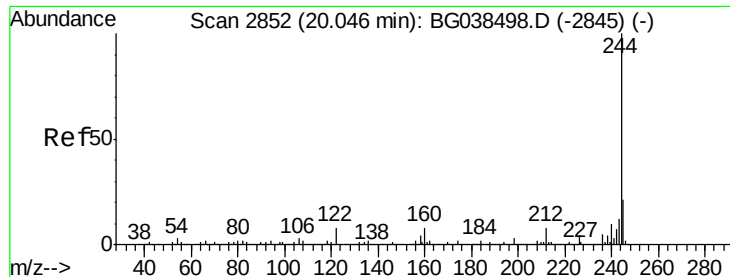
Tot Ion:240 Resp: 215440
 Ion Ratio Lower Upper
 240 100
 120 6.0 5.3 7.9
 236 27.6 21.4 32.2



#77
 Benzidine
 Concen: 2.561 ng
 RT: 20.04 min Scan# 2885
 Delta R.T. 0.36 min
 Lab File: BG038911.D
 Acq: 3 Jan 2019 20:01

Tgt Ion:184 Resp: 16315
 Ion Ratio Lower Upper
 184 100
 185 17.9 12.2 18.2
 183 9.8 9.6 14.4





#79

Terphenyl-d14

Concen: 104.876 ng

RT: 20.04 min Scan# 2885

Delta R.T. -0.01 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

Instrument :

BNA_G

ClientSampleId :

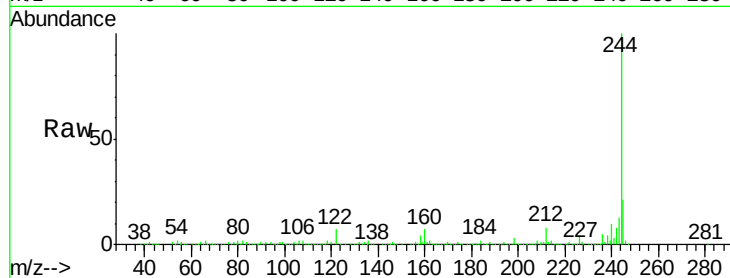
Tot Ion:244 Resp: 1038189

Ion Ratio Lower Upper

244 100

212 7.7 6.2 9.2

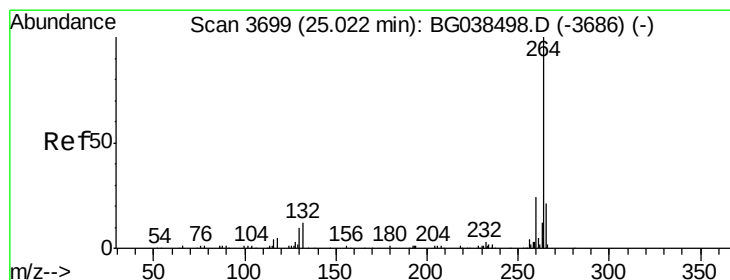
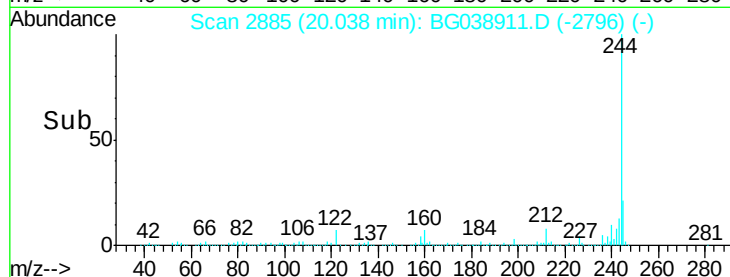
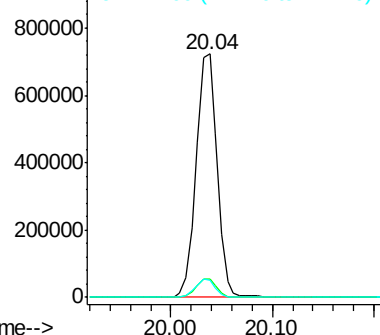
122 6.9 6.3 9.5



Abundance Ion 244.00 (243.70 to 244.70): E

Ion 212.00 (211.70 to 212.70): E

Ion 122.00 (121.70 to 122.70): E



#87

Perylene-d12

Concen: 20.000 ng

RT: 25.01 min Scan# 3731

Delta R.T. -0.01 min

Lab File: BG038911.D

Acq: 3 Jan 2019 20:01

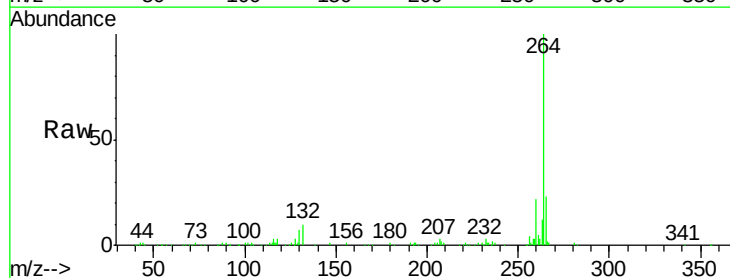
Tgt Ion:264 Resp: 225208

Ion Ratio Lower Upper

264 100

260 22.0 18.9 28.3

265 22.7 17.0 25.4



Abundance Ion 264.00 (263.70 to 264.70): E

Ion 260.00 (259.70 to 260.70): E

Ion 265.00 (264.70 to 265.70): E

